

ORCA (2×10^{33}) Analysis for

H(120GeV) qq \rightarrow WW* qq \rightarrow 2l2 ν + Jets

σ .BR (no cuts) for signal **12.7 fb**, for ttj **36.8 pb** (CompHEP)

Cuts in this analysis are from D.Z. et.al. *PL B503(2001) 113*:

Eq. (1)-Eq (11), see also A.N's talk

Cuts	Eq. 1-8	+ Eq. 9	+ Eq. 10	+ Eq. 11, for only same flavor
Signal(fb)	1.84	1.62	1.61	1.48
e- μ only	0.99	0.87	0.87	0.87 (D.Z.:0.92)
ttj* (fb)	7.36	7.36	7.36	7.36
e- μ only	3.68	3.68	3.68	3.68 (D.Z.:1.33)
S/B				0.20 (all) 0.24 (e- μ only)

**Low statistics ttj sample, larger tt+jet sample ($\times 14$) ORCA
production is in progress at FNAL.*